transmissive ceiling, the floor and the optically transmissive ceiling being substantially parallel to one another.

- 31. The flow chamber of claim 30 wherein said floor has a plurality of parallel ridges disposed parallel to a longitudinal axis of said flow chamber and spaced so that said microparticles in said planar cavity form rows between the parallel ridges.
- 32. The flow chamber of claim 31 wherein said microparticles each have a diameter, the diameter being substantially the same for all of the microparticles, and wherein said optically transmissive ceiling and said floor are separated by a distance of between about 120 to 150 percent of the diameter of said microparticles.
- 33. The flow chamber of claim 32 wherein said monolayer is a closely packed planar array
- 34. The flow chamber of claim 33 wherein said closely packed planar array either contains at least eighty percent of a number of microparticles per unit area in a hexagonal array of microparticles, or has microparticles having an average distance between centers of adjacent microparticles of less than two microparticle diameters.--

REMARKS

Entry of the present amendment prior to examination is respectfully requested. By this amendment, claims 30-34 have been added. These new claims are directed to a flow chamber as an article of manufacture and are supported by the original application disclosure in at least the following locations: p.5 through p.12, line 9. No new matter has been added.